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Date: January 22, 2004

Sonia V. McVean  
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PATENT  
50626.54

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|  |   |
|--|---|
| In re application of:<br>Mohan KIRLOSKAR et al.<br>Serial No.: 10/647,696<br>Filing Date: August 25, 2003<br>For: IMPROVED BALL GRID ARRAY PACKAGE AND<br>PROCESS FOR MANUFACTURING SAME | Art Unit: 2813<br><br>Examiner: Unknown |
|--|---|

**COMMENTARY RE INFORMATION DISCLOSURE STATEMENT**

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Dear Sir:

In accordance with 37 CFR §1.56, and in recognition of their duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicants herewith submit a copy of the prior art 1-20 listed on the attached Information Disclosure Statement (Form PTO-1449). Applicants did not submit a copy of the prior art 21-24, as they are U.S. Applications currently pending. The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

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U.S. Application No. 10/647,696  
January 22, 2004  
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Applicants respectfully request that the disclosed reference be made of record in the subject application.

Respectfully submitted,

Date: January 22, 2004



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|   |                                    |                          |
|---|------------------------------------|--------------------------|
| FORM PTO-1449<br><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT | ATTY. DOCKET NO.<br>50626.54       | SERIAL NO.<br>10/647,696 |
|   | APPLICANTS: Mohan KIRLOSKAR et al. |                          |
|   | FILING DATE<br>August 25, 2003     | GROUP<br>2813            |

## U.S. PATENT DOCUMENTS

| *INITIAL |  | DOCUMENT NO.          | DATE       | NAME                | CLASS | SUBCL. | FILING DATE |
|----------|--|-----------------------|------------|---------------------|-------|--------|-------------|
|          |  | US-2001/0015492<br>A1 | Aug. 23/01 | Akram et al.        | 257   | 706    | Apr. 16/01  |
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## FOREIGN PATENT DOCUMENTS

|  |  | DOCUMENT NO. | DATE | COUNTRY | CLASS            | SUBCL. | TRANSLATION |    |
|--|--|--------------|------|---------|------------------|--------|-------------|----|
|  |  |              |      |         |                  |        | YES         | NO |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |              |      |         |                  |        |             |    |
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| Sheet | 2 | of | 2 |
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**Complete if Known**

|                        |                        |
|------------------------|------------------------|
| Application Number     | 10/647,696             |
| Filing Date            | August 25, 2003        |
| First Named Inventor   | Mohan KIRLOSKAR et al. |
| Art Unit               | 2813                   |
| Examiner Name          |                        |
| Attorney Docket Number | 50626.54               |

## NON PATENT LITERATURE DOCUMENTS

[illegible]

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

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